



SEQUENCE LISTING

<110> Cai, Hong
Keller, Richard
Werner, James
Goodwin, Peter

<120> RAPID HAPLOTYPING BY SINGLE MOLECULE DETECTION

<130> S-94,652

<140> US 09/862,855

<141> 2003-04-11

<160> 21

<170> PatentIn version 3.1

<210> 1

<211> 20

<212> DNA

<213> Unknown

<220> Feature:

<223> 20-mer probe complementary to 20 base pair region of M13mp18 target
containing EcoR I restriction site

<400> 1

gctcgaattc gtaatcatcg

20

<210> 2

<211> 18

<212> DNA

<213> Unknown

<220> Feature:

<223> 18-mer probe complementary to 18 base pair region of M13mp18 target
containing Hind III restriction site

<400> 2

cagtccaag ctctgatg

18

<210> 3

<211> 97

<212> DNA

<213> Unknown

<220> Feature:

<223> Synthetic chimera template derived from genes MLL(HRX,Htrx) and AF4(FEL)

<400> 3

gaagttccca aaaccactcc tagtgagccc aagaaaaagc agcctccacc accaaaacaa

60

tatgatacat cttcaaaaac tcaactcaaat tctcagc

97

<210> 4

<211> 27

<212> DNA
<213> Unknown
<220> Feature:
<223> DNA probe sequence complementary to MLL portion of SEQ ID NO:3

<400> 4
aaaaatttct tgggcttcac tagggag 27

<210> 5
<211> 29
<212> DNA
<213> Unknown
<220> Feature:
<223> DNA probe sequence complementary to AF4 portion of SEQ ID NO:3

<400> 5
aaaaaaattt gagtgagttt ttgaagatg 29

<210> 6
<211> 12
<212> DNA
<213> Unknown
<220> Feature:
<223> PNA probe sequence for MLL portion of SEQ ID NO:3

<400> 6
tttcttgggc tc 12

<210> 7
<211> 12
<212> DNA
<213> Unknown
<220> Feature:
<223> PNA probe sequence for AF4 portion of SEQ ID NO:3

<400> 7
tttgagtgag tt 12

<210> 8
<211> 12
<212> DNA
<213> Unknown
<220> Feature:
<223> LNA probe sequence for MLL portion of SEQ ID NO:3

<400> 8
tttcttgggc tc 12

<210> 9
<211> 12
<212> DNA
<213> Unknown

<220> Feature:
 <223> LNA probe sequence for AF4 portion of SEQ ID NO:3

 <400> 9
 tttgagtggag tt 12

 <210> 10
 <211> 32
 <212> DNA
 <213> Unknown
 <220> Feature:
 <223> Synthetic oligonucleotide template containing a subset of a sequence
 variant for the HLA gene

 <400> 10
 tggcagctca gaccaccaag cacaagtggg ag 32

 <210> 11
 <211> 76
 <212> DNA
 <213> Unknown
 <220> Feature:
 <223> Synthetic oligonucleotide template containing a subset of a sequence
 variant for the HLA gene

 <400> 11
 gcggcccatg tggcggagca gttgagagcc tacctggagg gcacgtgcgt ggagtggctc 60
 cgcagatacc tggaga 76

 <210> 12
 <211> 32
 <212> DNA
 <213> Unknown
 <220> Feature:
 <223> Synthetic oligonucleotide template containing a subset of a sequence
 variant for the HLA gene

 <400> 12
 tggcagctca gaccaccaag cacaagtggg ag 32

 <210> 13
 <211> 76
 <212> DNA
 <213> Unknown
 <220> Feature:
 <223> Synthetic oligonucleotide template containing a subset of a sequence
 variant for the HLA gene

 <400> 13
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 cgcagatacc tggaga 76

<210> 14
<211> 32
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence
variant for the HLA gene

<400> 14 32
tggcagctca gaccacccaa gacaagtggg ag

<210> 15
<211> 76
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence
variant for the HLA gene

<400> 15 60
gcggcccatg tggcggagca gttgagagcc tacctggagg gcacgtgcgt ggacgggctc
cgagatacc tggaga 76

<210> 16
<211> 32
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence
variant for the HLA gene

<400> 16 32
tggcagctca gaccacccaa ggcaagtggg ag

<210> 17
<211> 76
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence
variant for the HLA gene

<400> 17 60
gcggcccatg tggcggagca gcagagagcc tacctggagg gcacgtgcgt ggacgggctc
cgagatacc tggaga 76

<210> 18
<211> 32
<212> DNA

<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 18
tggcagctca gaccacccaa ggcaagtggg ag 32

<210> 19
<211> 76
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 19
gcggcccatg tggcggagca gcagagagcc tacctggagg gcacgtgcgt ggagtggctc 60

cgcagatacc tggaga 76

<210> 20
<211> 32
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 20
tggcagctca gaccacccaa ggcaagtggg ag 32

<210> 21
<211> 76
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 21
gcggcccatg tggcggagca gttgagagcc tacctggagg gcacgtgcgt ggacgggctc 60

cgcagatacc tggaga 76